



SDS – SAFETY DATA SHEET

1. IDENTIFICATION

- 1.1 Product Identifier:** CALCIUM CARBONATE
Synonyms: Feeding Limestone
Chemical Formula: CaCO₃
- 1.2 Recommended Use of the Chemical and Restrictions on Use:**
Recommended Use of the Chemical: Pharmaceutical, agricultural applications
Uses Advised Against: No information available
- 1.3 Manufacturer / Supplier:** Livingston Stone Company, Inc.
Address: 11828 North 1600 East Rd
Website: www.livstoneco.com
Email: livingstonstone@maxwire.net
Phone: (815) 844-6341
- 1.4 Emergency 24 Hour Phone:** (815) 830-9731

2. HAZARD(S) IDENTIFICATION

2.1 Classification of the Substance or Mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]:
STOT SE3

Classification according to Directive 67/548/EEC [DSD]:
R37: Irritating to respiratory system.

2.2 Label Elements:

Signal Word: Warning

Pictogram:



Hazard Statements:

H335: May cause respiratory irritation.

Precautionary Statements:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

2.2 Other Hazards:

Substance Meets the Criteria for PBT According to Regulation (EC) No. 1907/2006 Annex XIII:

PBT: This product does not contain any PBT substances.

Substance Meets the Criteria for vPvB According to Regulation (EC) No. 1907/2006 Annex XIII:
vPvB: This product does not contain any vPvB substances.

Other Hazards Which Do Not Result in Classification: Not available

3. COMPOSITION INFORMATION / INGREDIENTS

| Ingredient | CAS Number | EC Number | Percent |
|-------------------|------------|-----------|---------|
| Calcium Carbonate | 471-34-1 | 207-439-9 | 100% |

4. FIRST-AID MEASURES

4.1 Description of First Aid Measures:

Inhalation: If a person breathes in large amounts of this material, move the exposed person to fresh air at once. Other measures are usually unnecessary.

Ingestion: No special precautions.

Skin Contact: No special precautions; flush with water.

Eye Contact: If material comes in contact with the eyes, promptly wash the eyes with water. Get medical attention if any discomfort continues.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

Potential Acute Health Effects:

Inhalation: Excessive concentrations of a nuisance dust may cause reactions such as coughing, sneezing and nasal irritation.

Ingestion: Non-toxic.

Skin Contact: Not expected to be a health hazard from skin exposure.

Eye Contact: Nuisance dust may cause mechanical irritation.

Over-Exposure Signs / Symptoms:

Inhalation: No specific data

Ingestion: No specific data

Skin Contact: No specific data

Eye Contact: No specific data

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed: No data available

5. FIRE-FIGHTING MEASURES

5.1

Extinguishing Media:

Suitable Extinguishing Media: Water, water fog, Foam, dry chemical powder, Carbon Dioxide. Use appropriate media to extinguish source.

Unsuitable Extinguishing Media: None specified

5.2 Special Hazards Arising From the Substance or Mixture:

Hazards From the Substance or Mixture: Not flammable; not an explosion hazard.

Hazardous Thermal Decomposition Products: Heating of product above 825C will decompose to Calcium Oxide with release of Carbon Dioxide.

5.3 Advice for Fire-Fighters:

Special Precautions for Fire-Fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Cool containers exposed to flames with water from the side until well after the fire is out. Move container from fire area if it can be done without risk.

Special Protective Equipment for Fire-Fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Avoid dust formation. Avoid breathing vapors, mist or gas. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

6.2 Environmental Precautions: No special environmental precautions required.

6.3 Methods and Materials for Containment and Cleaning Up: Sweep up and shovel. Keep in suitable, closed containers for disposal. Calcium Carbonate (Limestone) is not classified as a "toxic pollutant" or a "hazardous substance" under Sections 307 and 311 of the Clean Water Act. Accidental spills can be cleaned up by sweeping, vacuuming, or flushing with water. Under Code of Federal Registry -- (Title 21CFR § 582.5191) {"...This substance is generally recognized as safe when used in accordance with good manufacturing or feeding practice."}

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for Safe Storage, Including Any Incompatibilities: Store in a dry area; material is an animal feed ingredient. Do not store with incompatible materials (reference Section 10.)

7.3 Specific End Uses: Feeding Limestone

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters:

Airborne Exposure Limits:

PEL (OSHA): total dust 15 mg/m³ (TWA); respirable dust 5 mg/m³ (TWA)
TLV (ACGIH): total dust 10 mg/m³

8.2 Exposure Controls:

Ventilation System: A system of local and / or general exhaust may be necessary to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved): An approved NIOSH dust respirator should be used when dust exposure standard is exceeded (nuisance dust 15 mg/m³).

Skin Protection: Protective clothing is not essential.

Eye Protection: Use chemical safety goggles.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance: Light gray to tan color; coarse to small granules to powder

Odor: Odorless

Odor Threshold: Not determined

pH: 8.5 – 9.5 at 10% solids

Melting Point: 800C (1,472F) - Decomposes on heating

Boiling Point / Boiling Range: No data available

Flash Point: Not applicable

Evaporation Rate (BuAC=1): No data available

Flammability: Not flammable

Upper / Lower Flammability or Explosive Limits: No data available

Vapor Pressure (mm Hg): No data available

Vapor Density (Air=1): No data available

Relative Density: 2.93 g/cm³ at 25C (77F)

Specific Gravity: 2.7 – 2.9

Solubility: Negligible

Partition Coefficient: n-octanol / water: No data available

Auto-ignition Temperature: Not applicable

Decomposition Temperature: No data available

Viscosity: No data available

Molecular Weight: 100.1 g/mol

Explosive Properties: Not an explosion hazard

Oxidizing Properties: Not determined

9.2 Other Information: No specific data

10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available

10.2 Chemical Stability: Stable under recommended storage conditions

10.3 Possibility of Hazardous Reactions: See 10.6

10.4 Conditions to Avoid: High temperatures above 825C and incompatibles (acids)

10.5 Incompatible Materials: Strong oxidizing agents, Acids, Magnesium, Aluminium

10.6 Hazardous Decomposition Products: Heating of product above 825C will decompose to Calcium Oxide with release of Carbon Dioxide.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Acute Toxicity:

LD50 Oral - rat - 6,450 mg/kg

Emergency Overview: CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. NUISANCE DUST.

Potential Health Effects:

Inhalation: Excessive concentrations of a nuisance dust may cause reactions such as coughing, sneezing and nasal irritation.

Ingestion: Non-toxic

Skin Contact: Not expected to be a health hazard from skin exposure

Eye Contact: Nuisance dust may cause mechanical irritation.

Chronic Exposure: No data available

Aggravation of Pre-existing Conditions: No data available

Specific Target Organ Toxicity - Single Exposure (GHS): No data available

Specific Target Organ Toxicity - Repeated Exposure (GHS): No data available

Germ Cell Mutagenicity: No data available

Teratogenicity: No data available

Reproductive Toxicity: No data available

Aspiration Hazard: No data available

Numerical Measures of Toxicity: Cancer Lists: NTP Carcinogen

| Ingredient | Known | Anticipated | IARC Category |
|------------------------------|-------|-------------|---------------|
| Calcium Carbonate (471-34-1) | No | No | None |

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity: No data available

12.2 Persistence and Degradability: No data available

12.2 Bioaccumulative Potential: No data available

12.4 Mobility in Soil: No data available

12.5 Results of PBT and vPvB Assessment: PBT / vPvB assessment not available as chemical safety assessment not required / not conducted.

12.6 Other Adverse Effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods: Calcium Carbonate (Limestone) is not classified as a hazardous waste under RCRA Section 3001. Use normal waste disposal procedures that are in compliance with federal, state, and local regulations.

14. TRANSPORT INFORMATION

Land Transport ADR/RID and GGVS/GGVE (Cross Border / Domestic)
Not regulated

Maritime Transport IMDG/GGVSea
Not regulated

Air Transport ICAO-TI and IATA-DGR
Not regulated

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture:

Chemical Inventory Status – Part 1

| Ingredient | TSCA | EC | Japan | Australia |
|------------------------------|------|-----|-------|-----------|
| Calcium Carbonate (471-34-1) | Yes | Yes | Yes | Yes |

Chemical Inventory Status – Part 2

| Ingredient | Korea | Canada | | Phil. |
|------------------------------|-------|--------|------|-------|
| | | DSL | NDSL | |
| Calcium Carbonate (471-34-1) | Yes | Yes | No | Yes |

Federal, State & International Regulations - Part 1

| Ingredient | SARA 302 | | SARA 313 | |
|------------------------------|----------|-----|---------------|-------|
| | RQ | TPQ | List Chemical | Catg. |
| Calcium Carbonate (471-34-1) | No | No | No | No |

Federal, State & International Regulations - Part 2

| Ingredient | RCRA | | TSCA | |
|------------------------------|--------|--------|------|--|
| | CERCLA | 261.33 | 8(d) | |
| Calcium Carbonate (471-34-1) | No | No | No | |

| | | | | | |
|---------------------------------|-----------|----------------|----------|--------------|--|
| Chemical Weapons Convention: No | | TSCA 12(b): No | | CDTA: No | |
| SARA 311/312: | Acute: No | Chronic: No | Fire: No | Pressure: No | |
| Reactivity: No | | Pure / Solid | | | |

Poison Schedule: None allocated

15.2 Chemical Safety Assessment: This product contains substances for which Chemical Safety Assessments are not required.

16. OTHER INFORMATION

Effective Date: 04/01/15 – Standardized for GHS / REACH

Previous Revisions: unspecified – Initial Release

This Safety Data Sheet has been prepared in accordance with REACH regulations Annex II.

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.